Algebra 1 Goal 8 Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Review

1. Classify the expression: 6w - 19w
2. Determine the degree of the polynomial: 5gh – 2gh + 4gh
3. Write the polynomial in descending order: -3y + 7 – 4y + 2y
4. Simplify: 9z -4z 5. Simplify: (5y)
5. Simplify: (3ab)  (6ab) 7. Simplify: 
6. Simplify: -9(cd) 9. Simplify: (3)
7. Simplify: 12ef 11. Simplify: 
8. Simplify: 
9. The distance from Mars to Jupiter is 56,000,000 miles. Write this number in scientific notation.
10. Write the expression in standard notation: 3.81  10
11. Simplify: (2  10)(8  10) 16. Simplify: (2g-15g + 3g) + (6g + 7 + 9g)
12. Simplify: (14y - 3y + 7) – (-8y – 7 + 5y) 18. Simplify: -7d(4d - 7d + 5)
13. Simplify: Find the missing coefficient: (2x – 9)(6x + 1) = 12x \_\_\_\_x – 9
14. Find the product: (3r – 7)(8r – 5) 21. Find the product: (5x + 2)(5x – 2)
15. Square the binomial: (4v + 9) 23. Find the product: (3y – 7)(y + 4y – 6)
16. Find the quotient:  25. Find the quotient: (z - 3z – 28)  (z + 4)